

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0755 Randall

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.83	04/06/2017 04/06/2017	Herman Phillips

LM Start		Rating **	M	Issue No.	<b>14</b>
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0755_01_f_2014_14				
Comment Code					
Inspector Comment					
This district has a knowledge of how to conduct a flood fight but has not taken the class recently.					

No Photos

LM Start		Rating **	M	Issue No.	<b>15</b>
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0755_01_f_2014_15				
Comment Code					
Inspector Comment					
The emergency supplies was not observed during the inspection.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Left	1.83	04/06/2017 04/06/2017	Herman Phillips

LM Start		Rating **	A	Issue No.	16
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_RD0755_01_f_2014_16				
Comment Code					
Inspector Comment					
MBK Engineering Firm has mailed out a copy of the O/M Manul to the RD 755 President.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	11
LM End	0.17	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.347123 °	38.346773 °	
			-121.537572 °	-121.538687 °	
DWR ID	DWR_RD0755_01_s_2017_11				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Crown road way should be free of vegetation.					

No Photos

LM Start	0.17	Rating **	A/W	Issue No.	20
LM End	0.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.346757 °	38.345423 °	
			-121.538675 °	-121.546223 °	
DWR ID	DWR_RD0755_01_f_2016_20				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The vegetation complies with standards but should be monitored.					

Photo 1 of 1 : SP\_2017\_RD0755\_177\_20\_20170410\_00032.jpg



RD 755 looking downstream from levee mile 0.17-0.59.

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Unit No. 01 Sacramento River	Left	1.83	04/06/2017 04/06/2017	Herman Phillips

LM Start	0.17	Rating **	U	Issue No.	19
LM End	1.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.346757 °	38.343328 °
				-121.538675 °	-121.555493 °
DWR ID	DWR_RD0755_01_f_2016_19				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The tall weeds on the waterside slope and shoulder should be removed.					

Photo 1 of 1 : SP\_2017\_RD0755\_177\_19\_20170410\_00031.jpg



RD 755 Levee mile 0.17-1.12 waterside looking downstream.

LM Start	0.24	Rating **	M	Issue No.	21
LM End	0.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.346275 °	38.346275 °
				-121.539838 °	-121.539838 °
DWR ID	DWR_RD0755_01_f_2016_21				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim this tree up to at least five feet above the ground.					

No Photos

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.83	04/06/2017 04/06/2017	Herman Phillips

LM Start	0.43	Rating **	M	Issue No.	4
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.345593 °	38.337197 °
				-121.543263 °	-121.564147 °
DWR ID	DWR_RD0755_01_f_2014_4				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are bait stations along the landside levee slope; rodents are very active in this location near the walnut trees.					

Photo 1 of 1 : SP\_2017\_RD0755\_177\_4\_20170404\_00002.jpg



One of many active rodent observed during this inspection.

LM Start	0.70	Rating **	A/W	Issue No.	32
LM End	0.70	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.345057 °	38.345057 °
				-121.548050 °	-121.548050 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:17145 DS_ID:18852 EP_NO: 11222 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: It was working during field survey. A pump found 150 ft from the levee. Not sure whether the pump belong to this drainage system. FIELD_STRUCT_DESC: 16-inch steel drainpipe sleeved through a 24-inch steel pipe through levee, 8.0 feet below crown. (ABO No. 11222-Green McKeown, Inc.). O&M Manual Sac 111, May 1959, Revision Year 2011. FS Date: 8/6/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_17145\_29292.jpg



WS view: pipe and siphon breaker on levee slope

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.83	04/06/2017 04/06/2017	Herman Phillips

LM Start	0.70	Rating **	A/W	Issue No.	32 (cont)
LM End	0.70	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.345057 °	38.345057 °
				-121.548050 °	-121.548050 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:17145 DS_ID:18852 EP_NO: 11222 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: It was working during field survey. A pump found 150 ft from the levee. Not sure whether the pump belong to this drainage system. FIELD_STRUCT_DESC: 16-inch steel drainpipe sleeved through a 24-inch steel pipe through levee, 8.0 feet below crown. (ABO No. 11222-Green McKeown, Inc.). O&M Manual Sac 111, May 1959, Revision Year 2011. FS Date: 8/6/2013					

Photo 2 of 3 : UCIP\_SP\_2017\_17145\_29293.jpg



WS view: 16-inch pipe sleeved through 24-inch pipe.

LM Start	<b>0.70</b>	Rating **	A/W	Issue No.	<b>32 (cont)</b>
LM End	<b>0.70</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_17145\_29295.jpg



WS view: 16-inch drainage pipe on levee slope.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.83	04/06/2017 04/06/2017	Herman Phillips

LM Start	0.70	Rating **	M	Issue No.	33
LM End	0.70	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.345036 °	38.345036 °
				-121.548141 °	-121.548141 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:17049					
DS_ID:18854					
EP_NO: 1716					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Not found- a 4-inch pipe on waterward shoulder but a 2-inch GI pipe found on landside slope.					
FIELD_STRUCT_DESC: *ABANDONED* 18-inch drainpipe through levee, 4.5 feet below crown. (App. No. 1716-Green McKeown, Inc.).					
O&M Manual Sac 111, May 1959, Revision Year 2011.					
FS Date: 8/6/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_17049\_29119.jpg



LS view: concrete headwall and 2-inch conduit (left)

LM Start	<b>0.70</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>0.70</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_17049\_29121.jpg



LS view: 18-inch abandoned pipe on levee slope

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.83	04/06/2017 04/06/2017	Herman Phillips

LM Start	0.70	Rating **	M	Issue No.	33 (cont)	
LM End	0.70	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.345036 °	38.345036 °	
				-121.548141 °	-121.548141 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:17049						
DS_ID:18854						
EP_NO: 1716						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Not found- a 4-inch pipe on waterward shoulder but a 2-inch GI pipe found on landside slope.						
FIELD_STRUCT_DESC: *ABANDONED* 18-inch drainpipe through levee, 4.5 feet below crown. (App. No. 1716-Green McKeown, Inc.).						
O&M Manual Sac 111, May 1959, Revision Year 2011.						
FS Date: 8/6/2013						

Photo 3 of 3 : UCIP\_SP\_2017\_17049\_29122.jpg



LS view: exposed/daylight 18-inch abandoned pipe on levee slope

LM Start	0.70	Rating **	U	Issue No.	17
LM End	0.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.345047 °	38.345047 °
				-121.548175 °	-121.548175 °
DWR ID	DWR_RD0755_01_s_2017_17				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Cut up the broken tree branch and remove from levee section.					

Photo 1 of 1 : SP\_2017\_RD0755\_177\_17\_20170410\_00033.jpg



Broken tree limb on he landside levee slope and toe levee mile 0.70.

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Unit No. 01 Sacramento River	Left	1.83	04/06/2017 04/06/2017	Herman Phillips

LM Start	0.70	Rating **	A/W	Issue No.	13
LM End	1.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.345047 °	38.343595 °
				-121.548175 °	-121.554238 °
DWR ID	DWR_RD0755_01_s _ 2017_13				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The vegetation complies with standards along this section landward.					

No Photos

LM Start	1.09	Rating **	A	Issue No.	27	
LM End	1.21	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.343442 °		38.342953 °
				-121.554928 °		-121.557203 °
DWR ID	DWR_RD0755_01_s _ 2017_27					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						

No Photos

LM Start	1.12	Rating **	M	Issue No.	18
LM End	1.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.343328 °	38.337278 °
				-121.555490 °	-121.564105 °
DWR ID	DWR_RD0755_01_s _ 2017_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the annual grasses and weeds along the waterside slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 Sacramento River	Left	1.83	04/06/2017 04/06/2017	Herman Phillips

LM Start	1.22	Rating **	M	Issue No.	28
LM End	1.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.342967 °	38.340590 °
				-121.557355 °	-121.560720 °
DWR ID	DWR_RD0755_01_s_2017_28				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.24	Rating **	M	Issue No.	1
LM End	1.32	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.343071 °	38.342426 °
				-121.557706 °	-121.559163 °
DWR ID	DWR_RD0755_01_f_2016_1				
Comment Code					
Inspector Comment					
2003 - Toe and lower slope eroding, rock in water and a few pieces on the slope; rock at upstream and downstream ends. 2005 - Looks a little worse. Two major holes with vertical banks and smaller intermittent pockets in between. Stone is present upstream, downstream, and at toe. 2008 - Repaired at both ends (50 ft of new stone) but middle remains unrepaired. 2011 - Site extended downstream to include new scour. 2013 - At the downstream end, behind tree, there is a new animal burrow. Tree has exposed roots. 2015: New rock placed at toe in middle of site, hole remains behind the tree. [2015 Site ID: SAC_35-4_L]					

Photo 1 of 1 : SP\_2017\_RD0755\_177\_1\_20170404\_00001.jpg



USACE 2013 Photo #1

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Unit No. 01 Sacramento River	Left	1.83	04/06/2017 04/06/2017	Herman Phillips

LM Start	1.47	Rating **	A	Issue No.	29	
LM End	1.75	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.340590 °		38.337465 °
				-121.560720 °		-121.563918 °
DWR ID	DWR_RD0755_01_s_2017_29					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						
The vegetation at this location has been mowed.						

No Photos

LM Start	1.77	Rating **	A/W	Issue No.	26
LM End	1.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.337278 °	38.336447 °
				-121.564110 °	-121.564732 °
DWR ID	DWR_RD0755_01_f_2016_26				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The vegetation at this location complies with standards.					

No Photos

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